



**AW-LAKE**  
PROCESS FLOW MEASUREMENT



## **APPLICATION SPOTLIGHT**

Commercial Brewing - Straining Process



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### APPLICATION:

During the multi-step process of brewing beer, there is a point where there is a need to separate the liquid from the solid material. It is in this step where the customer needed a flow meter to monitor the hydraulic fluid in a robotic rake used to settle the solids (called "mash") to the bottom of the vessel.

### PRODUCT SUPPLIED:

TRG Turbine and FIP-4TS Frequency-to-Analog Converter

### CHALLENGE:

This application required a flow meter with high accuracy and repeatability over a wide flow range. Low flow water metering can be problematic for some flow meters. Another challenge with this application involves the fluid being metered. In an application such as this, the lubricating fluid used in the hydraulic system had to be pure, filtered water. This was done to protect the product being brewed from contamination in the event of a leak. The use of pure water required the flow meter components and all hydraulic lines to be made from stainless steel.

### SOLUTION:

The TRG turbine flow meter along with the FIP-4TS frequency to analog converter provided the customer with exactly what he was looking for. The turbine's great reliability and low cost allowed the customer to ensure that the movement of the rake was not interrupted and a quality product was produced.

### RESULT:

The customer has installed several of the turbine flow solutions in their brewery and are very pleased.

